

भारतीय मानक

निर्माण कार्यों के लिए पत्थरों के गुणधर्म
व उपलब्धता की अनुसूची

भाग 4 कर्नाटक राज्य

अनुभाग 1 से 3

Indian Standard

**SCHEDULE FOR PROPERTIES AND
AVAILABILITY OF STONES FOR
CONSTRUCTION PURPOSES**

PART 4 KARNATAKA STATE

Sections 1 to 3

ICS 91.100.20

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BUREAU OF INDIAN STANDARDS
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NEW DELHI 110002

FOREWORD

This Indian Standard (Part 4/Sec 1 to 3) was adopted by the Bureau of Indian Standards, after the draft finalized by the Stones Sectional Committee had been approved by the Civil Engineering Division Council.

Stones are available in large quantities in different parts of the country. To choose and utilize them for various uses, it is necessary to know their availability as well as their physical properties. Accordingly this Indian Standard has been formulated to cover this information for the state of Karnataka. It is hoped that with the publication of this standard it will be convenient for the users to know the locations of various types of stones and will also act as a guide for their proper selection depending upon their end use.

The information contained in this standard is based on the data given by Karnataka Engineering Research Institute.

This standard is published in parts, each part covering one state. For facility in compilation and use of the standard, each part is divided into three sections. Accordingly Part 4 covers Karnataka state and is containing three sections. Section 1 gives information on the availability of stones in the form of a map showing geological classifications and location of known stone quarries; Section 2 covers engineering properties of building stones; and Section 3 covers engineering properties of stone aggregates.

The Committee responsible for the preparation of this standard is given at Annex A.

Indian Standard

**SCHEDULE FOR PROPERTIES AND
AVAILABILITY OF STONES FOR
CONSTRUCTION PURPOSES**

PART 4 KARNATAKA STATE

Section 1 Availability of Stones

1 SCOPE

This section covers availability of stones in Karnataka State for construction purposes.

2 AVAILABILITY

The geological classification and locations of known stone quarries are shown in the map (*see* page 44).

Indian Standard

SCHEDULE FOR PROPERTIES AND AVAILABILITY OF STONES FOR CONSTRUCTION PURPOSES

PART 4 KARNATAKA STATE

Section 2 Engineering Properties of Building Stones

1 SCOPE

This section covers engineering properties of building stones in Karnataka State.

2 REFERENCES

The following Indian Standards are necessary adjuncts to this standard:

<i>IS No.</i>	<i>Title</i>	<i>IS No.</i>	<i>Title</i>
		1123 : 1975	Method of identification of natural building stones (<i>first revision</i>)
		1124 : 1974	Method of test for determination of water absorption, apparent specific gravity and porosity of natural building stones (<i>first revision</i>)
1121	Methods of test for determination of strength properties of natural building stones:		
(Part 1) : 1974	Compressive strength (<i>first revision</i>)	1125 : 1974	Method of test for determination of weathering of natural building stones (<i>first revision</i>)
(Part 2) : 1974	Transverse strength (<i>first revision</i>)	1126 : 1974	Method of test for determination of durability of natural building stones (<i>first revision</i>)
(Part 4) : 1974	Shear strength (<i>first revision</i>)		
1122 : 1974	Methods of test for determination of true specific gravity of natural building stones (<i>first revision</i>)		

3 TEST RESULTS

The test results of building stones tested for some of the important properties according to relevant Indian Standards are given in Table 1.

Table 1 Schedule of Properties of Building Stones Available in Karnataka State
(Clause 3)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 1) : 1974)	Transverse Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 2) : 1974)	Shear Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 4) : 1974)	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974) Change in Absorption (%) Change in Volume (%)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

(1) BANGALORE DISTRICT

1. Anekal Taluk

1.	61	Bukkasagara quarry	12-40	77-38	Granite plutonic igneous	Coarse grained equigranular	Grey	2.68	2.53	4.29	1.70	1 619	237	196	0.06	(+)19.68	(+)0.23
2.	72	Lakshmipura quarry	12-45	77-39	do	do	Grey	2.76	2.60	1.31	0.50	785	210	159	0.04	(+)10.41	(+)0.11
3.	78	Ragihally quarry	12-44	77-38	do	Medium grained equigranular	Grey	2.70	2.56	2.33	0.91	881	235	165	0.05	(+) 17.47	(+) 0.18

2. Bangalore North Taluk

4.	43	Doddabettahalli quarry	13-04	77-31	do	Coarse grained equigranular	Grey	2.80	2.62	1.32	0.50	1 167	150	149	0.05	(+) 20.48	(+)0.11
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3. Bangalore South Taluk

5.	42	Garavibavipalya quarry	12-58	77-35	do	do	Grey	2.89	2.58	1.82	0.70	852	208	166	0.05	(+)13.74	(+)0.11
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Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 1) : 1974)	Transverse Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 2) : 1974)	Shear Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 4) : 1974)	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974)	
																Change in Absorption (%)	Change in Volume (%)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
4. Devanahally Taluk																	
6.	90	Devanahally quarry	13-16	77-36	do	do	Grey	2.68	2.59	2.18	0.84	903	221	137	Nil	(+) 33.97	(+) 0.61
5. Doddaballapura Taluk																	
7.	25	Chickarayappana-halli quarry	13-22	77-35	do	Medium grained equigranular	Grey	2.76	2.58	1.56	0.60	1 132	167	98	0.02	(+) 19.29	(+) 0.15
8.	35	Obalibande quarry	13-22	77-32	do	Coarse grained equigranular	Grey	2.75	2.63	1.05	0.40	712	208	177	0.01	(+) 30.10	(+) 0.13
9.	37	Lingadevana-halli quarry	13-23	77-21	do	Medium grained equigranular	Grey	2.81	2.59	0.52	0.20	1 494	279	163	0.05	(+) 19.15	(+) 0.12
10.	38	Hulkudi quarry	13-21	77-25	do	Coarse grained equigranular	Grey	2.77	2.58	0.95	0.37	1 513	263	210	0.07	(+) 37.80	(+) 0.16
6. Kanakapura Taluk																	
11.	54	Gonal quarry	12-35	77-22	do	do	Grey	2.73	2.61	0.87	0.33	751	181	208	0.05	(+) 31.12	(+) 0.15
12.	55	Gabade quarry	12-32	77-24	do	do	Grey	2.76	2.59	1.74	0.67	1 342	196	166	0.05	(+) 12.98	(+) 0.14

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
13.	56	Chalkanahalli quarry	12-32	77-29	Granite plutonic igneous	Medium grained equigranular	Grey	2.78	2.55	1.02	0.40	1 373	184	87	0.07	(+) 13.71	(+) 0.17
14.	57	Gadasanahalli quarry	12-33	77-23	do	do	Grey	2.80	2.54	0.77	0.30	1 063	160	69	0.03	(+) 12.37	(+) 0.16
15.	58	Kaggalahalli quarry	12-43	77-28	do	Coarse grained equigranular	Grey	2.78	2.57	4.98	1.94	831	174	165	0.06	(+) 11.44	(+) 0.10
7. Magadi Taluk																	
16.	44	Kempasagara quarry	12-56	77-13	do	Medium grained equigranular	Red	2.73	2.49	4.49	1.80	1 227	206	165	0.04	(+) 10.03	(+) 0.17
17.	45	Red granite quarry	12-55	77-15	do	do	Red	2.72	2.61	0.61	0.23	1 004	249	239	0.05	(+) 50.37	(+) 0.27
18.	46	Sidagana halli quarry	13-02	77-16	do	do	Grey	2.87	2.60	1.83	0.70	972	267	106	0.05	(+) 31.79	(+) 0.23
19.	47	Ranganabetta quarry	13-03	77-15	do	do	Grey	2.73	2.61	1.04	0.40	848	210	175	0.02	(+) 42.91	(+) 0.24
8. Nelamangala Taluk																	
20.	51	Mylanahalli quarry	13-08	77-23	do	Coarse grained equigranular	Grey	2.68	2.53	0.76	0.30	839	187	183	0.04	(+) 12.17	(+) 0.13
21.	253	Mallasandra quarry	12-59	77-23	Gneiss dynamic metamorphic	Coarse grained gneissose	Grey	2.67	2.58	2.52	0.97	1 036	141	175	0.02	(+) 60.67	(+) 0.52
9. Ramanagara Taluk																	
22.	40	Gollaradoddi quarry	12-48	77-19	Granite plutonic igneous	Coarse grained equigranular	Grey	2.89	2.72	0.91	0.33	743	114	105	0.08	(+) 18.75	(+) 0.13

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) IS 1121 (Part 1) : 1974	Transverse Strength (Saturated) (kg/sq.cm) IS 1121 (Part 2) : 1974	Shear Strength (Saturated) (kg/sq.cm) IS 1121 (Part 4) : 1974	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
23.	41	Channenahalli quarry	12-45	77-18	Granite plutonic igneous	Course grained equigranular	Grey	2.76	2.74	2.03	0.74	677	192	147	0.04	(+) 24.82	(+) 0.15
(2) BELGAUM DISTRICT																	
1. Athani Taluk																	
24.	306	Athani quarry	16-44	75-05	Basalt vesicular volcanic basic	Fine grained black glassy	Black	2.97	2.84	4.92	1.73	1 153	375	242	(-) 0.03	(+) 49.12	(+) 0.99
2. Bylahongala Taluk																	
25.	402	Hosakote quarry	15-58	74-43	Quartzite thermal metamorphic	Fine grained granulose	Pink	2.66	2.52	3.49	1.38	1 082	244	215	0.04	(+) 23.09	(-) 0.11
26.	303	Mathikop quarry	15-53	74-45	Basalt vesicular volcanic basic	Fine grained black glassy	Black	2.98	2.76	8.23	2.99	1 291	306	224	0.29	(+) 7.47	(-) 0.10
3. Belagaum Taluk																	
27.	301	Karadigudda quarry	15-45	74-35	do	do	Black	2.99	2.81	6.90	2.46	961	337	241	0.47	(-) 47.25	(-) 1.21

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
28.	302	Kamakarthi quarry	15-52	74-35	do	do	Black	2.98	2.73	6.22	2.28	1 238	338	223	0.44	(+)8.19	(-) 0.17
29.	501	Hudli quarry	16-01	74-41	Bedded sand stone	Fine grained arenacious	Pink	2.68	2.46	5.92	2.46	1 158	139	223	3.97	(+) 0.47	(+)0.08
4. Chikodi Taluk																	
30.	304	Chikodi quarry	16-27	74-37	Basalt vesicular	Fine grained glassy	Black	3.00	2.81	6.52	2.32	800	220	191	1.09	(+) 34.68	(+) 1.26
5. Gokak Taluk																	
31.	502	Arebhavi quarry	16-14	74-47	Sand stone	Fine grained	Red	2.67	2.40	7.68	3.20	839	73	193	100	(+)4.80	(+) 0.05
6. Hukkeri Taluk																	
32.	305	Borgal quarry	16-21	74-32	Basalt vesicular	Fine grained glassy	Black	2.99	2.85	6.40	2.25	1 054	271	228	0.03	(+) 47.66	(+) 1.04
7. Khanapura Taluk																	
33.	202	Halshi quarry	15-30	74-35	Gneiss dynamic metamorphic	Coarse grained gneissose	Grey	2.66	2.61	1.57	0.50	1 319	218	232	0.02	(+) 16.93	(+) 0.20
8. Raibhag Taluk																	
34.	307	Shahapark quarry	16-27	74-48	Basalt vesicular	Fine grained glassy	Black	2.99	2.72	6.78	2.49	1 274	293	205	0.01	(+)47.63	(+)1.13
9. Saundatti Taluk																	
35.	200	Saundatti quarry	15-45	75-06	Granite plutonic igneous	Medium grained equigranular	Grey	2.66	2.55	2.49	0.98	1 116	286	270	0.02	(+) 8.60	(+)0.05
36.	401	Quarry at 2.5 km of S.H. road	15-45	75-10	Quartzite	Fine grained	White	2.69	2.57	1.55	0.60	1 213	401	252	Nil	(+) 14.34	(+) 0.75

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 1) : 1974)	Transverse Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 2) : 1974)	Shear Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 4) : 1974)	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974) Change in Absorption (%) Change in Volume (%)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
(3) BELLARY DISTRICT																	
1. H. Adagali Taluk																	
37.	198	Guddadathanda quarry	15-03	75-58	Granite phor-phery	Coarse grained	Grey	2.68	2.57	2.51	0.98	958	149	195	0.12	(+) 8.33	(+)0.03
38.	199	Holagundi quarry	15-01	76-01	do	do	Grey	2.66	2.60	1.83	0.70	833	156	252	0.06	(-) 13.09	(+) 0.04
39.	203	Musikinakalla-halla quarry	14-58	76-04	Gneiss dynamic	do	Grey	2.67	2.62	2.47	0.94	1 295	186	229	0.37	(-) 4.94	Nil
2. Hagaribommanahalli Taluk																	
40.	5	Dasmapura quarry	15-00	76-16	Granite plutonic igneous	do	Grey	2.66	2.58	2.25	0.88	1 079	117	187	0.16	(-) 7.87	(+) 0.05
3. Harapanahalli Taluk																	
41.	6	Gudumatta quarry	14-44	76-00	do	do	Grey	2.67	2.63	1.50	0.57	1 248	200	233	0.06	(-) 14.29	(-) 0.05
42.	204	Bandari quarry	14-48	75-58	Gneiss dynamic	do	Grey	2.68	2.57	3.04	1.18	1 263	187	210	0.08	(-) 9.52	(+)0.02
4. Kudligi Taluk																	
43.	205	Chiribi quarry	14-47	76-18	do	do	Grey	2.66	2.58	2.78	1.08	1 029	145	160	0.05	(+)88.33	(+)0.21

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
44.	206	Siddaiahnagudda quarry	14-50	76-23	do	do	Grey	2.66	2.59	1.38	0.53	1 301	71	228	0.04	(-) 32.14	(-) 0.14

(4) BIDAR DISTRICT

1. Aurad Taluk

45.	312	Mustapur quarry	18-08	77-28	Basalt vesicular volcanic basic	Fine grained black glassy	Black	2.92	2.84	5.40	1.90	950	298	234	0.08	(-) 26.81	(+) 0.14
46.	313	Madnoor quarry	18-16	77-10	do	do	Black	2.93	2.83	4.69	1.66	862	320	223	0.06	(-) 55.78	(-) 0.32
47.	314	Mudhol quarry	18-12	77-16	do	do	Black	3.01	2.81	6.04	2.14	1 135	298	206	0.06	(-) 54.56	(-) 0.10

2. Basavakalyana Taluk

6	48.	315	Sarjolga quarry	17-40	76-52	do	do	Black	2.92	2.83	5.19	1.83	1 593	292	170	0.09	(-) 48.17	(-) 0.16
	49.	316	Urki quarry	17-46	76-52	do	do	Black	3.03	2.84	5.90	2.07	927	249	249	0.08	(-) 43.64	(+) 0.09
	50.	317	Bhosaga quarry	17-41	76-51	do	do	Black	3.04	2.93	7.92	2.71	1 606	300	211	0.09	(-) 81.00	(-) 0.36
	51.	318	Baknal quarry	17-41	76-50	do	do	Black	3.02	2.85	4.05	1.42	1 276	383	185	0.08	(+) 13.40	(+) 0.61
	52.	319	Betgera quarry	17-38	76-46	do	do	Black	3.11	2.86	5.83	2.04	1 056	285	240	0.06	(+) 72.69	(+) 0.62
	53.	320	Ladwanti quarry	17-40	76-46	do	do	Black	3.07	2.91	6.35	2.18	1 297	342	198	0.03	(+) 14.94	(+) 0.39
	54.	321	Joganwadi quarry	17-37	76-57	do	do	Black	3.08	2.87	13.40	4.67	1 246	254	159	0.06	(+) 31.60	(+) 0.55
	55.	322	Harkood quarry	17-40	76-53	do	do	Black	3.04	2.89	6.20	2.14	1 005	337	264	0.08	(+) 20.70	(+) 0.36
	56.	323	Yeldagundi quarry	17-41	76-52	do	do	Black	3.02	2.92	6.18	2.11	966	305	207	0.09	(+) 15.26	(+) 0.28
	57.	324	Kohinoor quarry	17-52	76-58	do	do	Black	3.01	2.94	6.21	2.11	1 198	364	239	0.09	(+) 7.46	(+) 0.32
	58.	325	Chitkota quarry	17-40	76-50	do	do	Black	3.11	2.96	7.27	2.46	1 194	386	200	0.07	(+) 11.51	(+) 0.25
	59.	326	Chitkaldeva quarry	17-54	76-56	do	do	Black	2.98	2.93	6.58	2.25	1 305	313	240	0.08	(+) 11.96	(+) 0.34

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 1) : 1974)	Transverse Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 2) : 1974)	Shear Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 4) : 1974)	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974)	
																Change in Absorption (%)	Change in Volume (%)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
60.	327	Wadderga quarry	17-42	76-50	Basalt vesicular volcanic basic	Fine grained black glassy	Black	2.95	2.89	12.87	4.46	1 315	354	206	0.13	(+)15.29	(+)0.31
61.	328	Yerandi quarry	17-46	76-57	do	do	Black	3.04	2.91	12.98	4.46	945	258	187	0.12	(+)6.10	(+)0.34
3. Bhalki Taluk																	
62.	309	Raipally quarry	18-04	77-06	do	do	Black	3.05	2.83	5.38	1.90	1 252	374	216	0.04	(+)87.04	(+)1.03
63.	310	Bhatambra quarry	18-02	77-10	do	do	Black	2.97	2.82	6.24	2.21	1 341	349	168	0.09	(+)33.23	(+)1.16
64.	311	Ambesagavi quarry	18-03	77-18	do	do	Black	3.00	2.80	6.40	2.28	1 138	223	184	0.09	(+)16.25	(+)0.71
4. Bidar Taluk																	
65.	308	Yamathi quarry	18-03	77-24	do	do	Black	3.04	2.82	5.27	1.87	1 114	258	187	0.03	(+)29.30	(+)1.16
(5) BIJAPUR DISTRICT																	
1. Badami Taluk																	
66.	505	Quarry near Badami on Badami Gulbarga road	15-53	75-38	Sand-stone	Fine grained	White	2.67	2.46	5.28	2.14	823	99	296	29.32	(+) 1.04	(-) 0.01
67.	506	Quarry near Kendur village	15-56	75-41	do	do	White	2.68	2.42	6.38	2.63	1 504	103	227	4.94	(+)1.22	(+)0.01

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2. Bagalkot Taluk																	
68.	503	Quarry near Shirur village on Raichur Bachi road at 180.4 km	16-05	75-48	do	do	Pink	2.46	2.34	8.66	3.70	600	15	226	100	(+)4.24	(-)0.05
69.	504	Quarry near Shirur village on Raichur Bachi road at 180.4 km Soft	16-05	75-45	do	do	Pink	2.37	2.35	8.33	3.56	1 026	23	169	100	(-)0.22	(+)0.04
3. Biligi Taluk																	
70.	404	Biligi quarry	16-20	75-33	Quartzite thermal metamorphic	Fine grained granulose	Pink	2.66	2.56	1.54	0.60	1 457	339	287	0.02	(-)52.06	(-)0.21
4. Hungund Taluk																	
71.	331	Quarry near Gudur	15-54	75-52	Hematite quartzite metamorphic	Fine grained banded	Red	3.40	3.03	6.40	2.11	1 006	98	204	(-)0.04	(-)27.89	(-)0.04
72.	507	Quarry near Hungund	16-01	76-02	Sand stone mechanical sedimentary	Fine grained arenaceous	Pink	2.66	2.44	6.01	2.46	867	50	194	56.92	(-)1.33	(-)0.07
5. Mudhol Taluk																	
73.	329	Marapur quarry	16-22	75-05	Basalt vesicular volcanic basic	Fine grained glassy	Black	2.93	2.82	6.56	2.32	1 401	306	216	0.07	(-)73.07	(-)0.76
74.	330	Mudhol quarry	16-20	75-17	do	do	Black	2.95	2.76	6.20	2.25	925	273	156	0.07	(-)7.55	(-)0.10
(6) CHIKMAGALORE DISTRICT																	
1. Chikmagalore Taluk																	
75.	101	Aladagudda quarry	13-15	75-45	Granite plutonic igneous	Coarse grained equigranular	Grey	2.66	2.55	7.81	3.06	1 143	145	168	0.07	(+)14.02	(+)0.22

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 1) : 1974)	Transverse Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 2) : 1974)	Shear Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 4) : 1974)	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
76.	102	Sirvase quarry	13-25	75-37	Granite plutonic igneous	Course grained equigranular	Grey	2.68	2.51	9.27	3.70	1 363	214	210	0.04	(+)17.26	(+)0.27
		2. Kadur Taluk															
77.	103	Malleswara granite quarry	13-33	76-10	do	do	Grey	2.66	2.61	8.53	3.27	747	237	136	0.10	(+)11.11	(+)0.25
78.	104	Dasarahalli granite quarry	13-38	76-12	do	do	Grey	2.68	2.52	9.11	3.63	1 077	235	188	0.11	(+)40.67	(+)0.48
79.	259	Kadur granite quarry	13-33	76-00	Gneiss dynamic metamorphic	Coarse grained gneissose	Grey	2.68	2.56	9.56	3.74	702	170	143	0.21	(+)12.37	(+)1.43
		3. N.R.Pura Taluk															
80.	105	Umblebailu quarry	13-44	75-22	Granite plutonic igneous	Coarse grained equigranular	Grey	2.66	2.55	2.92	1.14	1 274	147	173	0.09	(+)32.98	(+)0.53
		4. Koppa Taluk															
81.	257	Kochige quarry in Jayapur-Stringeri road	13-23	75-22	Gneiss dynamic metamorphic	Coarse grained gneissose	Grey	2.67	2.58	8.17	3.16	864	189	175	0.37	(+)47.62	(+)0.60
82.	258	Bintravally quarry in Balegady-balebannur road	13-31	75-26	do	do	Grey	2.69	2.50	9.88	3.95	1 199	157	220	0.02	(+)50.95	(+)0.63

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
5. Sringeri Taluk																	
83.	256	Sringeri quarry near Sringeri T.B.	13-26	75-17	do	do	Grey	2.66	2.61	9.94	3.81	1 365	142	172	0.09	(+)66.66	(+)0.52
(7) CHITRADURGA DISTRICT																	
1. Chitradurga Taluk																	
84.	93	Guttinadu quarry	14-15	76-20	Granite plutonic igneous	Coarse grained equigranular	Grey	2.67	2.57	3.20	1.25	918	125	166	0.03	(-)22.22	(+)0.08
85.	94	Havanery bande quarry	14-11	76-20	do	do	Grey	2.66	2.54	4.83	1.90	870	142	141	0.07	(+)15.00	(+)0.22
86.	95	Jogimatti quarry	14-11	76-22	do	do	Grey	2.62	2.60	1.39	0.54	757	174	151	0.04	(-)19.45	(+)0.04
87.	96	Kadlegudu quarry	14-15	76-14	do	do	Grey	2.69	2.63	1.85	0.70	1 672	250	206	0.07	(+)36.11	(+)0.20
88.	98	Jampannanaikana kote quarry	14-11	76--31	do	Medium grained equigranular	Grey	2.68	2.43	13.81	5.67	895	137	105	0.03	(-)0.21	(+)0.04
2. Davanagere Taluk																	
89.	7	Kurkey quarry	14-22	76-00	do	do	Pink	2.69	2.65	1.33	0.50	1 609	269	235	0.04	(-)18.81	(+)0.01
90.	99	Hebbal quarry	14-26	76-07	do	do	Grey	2.66	2.63	4.55	1.73	2 141	233	236	0.04	(-) 19.44	(+)0.02
3. Hiriyur Taluk																	
91.	100	Siddaianakote quarry	14-07	76-43	do	do	White	2.67	2.59	5.91	2.28	1 419	168	172	0.04	(+)6.67	(+)0.12
92.	254	Bettagondanahalli quarry	14-07	76-51	Gneiss dynamic metamorphic	Medium grained gneissose	Grey	2.67	2.56	6 13	2.39	1 459	261	204	0.04	(+)55.54	(+)0.24
93.	255	Bheemana bande quarry	14-01	76-35	do	do	Grey	2.67	2.56	4.96	1.94	1 259	330	259	0.04	(+)66.66	(+)0.20

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 1) : 1974)	Transverse Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 2) : 1974)	Shear Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 4) : 1974)	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974) Change in Absorption (%) Change in Volume (%)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
4. Holalkere Taluk																	
94.	8	B.Durga quarry	14-12	76-04	Granite plutonic igneous	Coarse grained equigranular	Grey	2.66	2.62	2.47	0.94	1 286	145	229	0.16	(+)15.50	(+)0.12
95.	142	Bande bommanahalli quarry	14-13	76-06	do	do	Grey	2.74	2.67	2.69	1.01	683	204	177	0.10	(+)74.97	(+)0.32
96.	143	Gilikanahalli quarry	14-03	76-13	do	Medium grained equigranular	Grey	2.68	2.62	1.58	0.60	1 268	228	205	0.10	(+)98.57	(+)0.39
97.	171	Arehalli quarry	14-02	76-09	do	do	Grey	2.70	2.64	2.13	0.81	803	233	217	0.11	(+)54.57	(+)0.46
98.	172	Bommanahalli quarry	14-01	76-12	do	do	Grey	2.72	2.55	5.21	2.04	810	96	145	0.10	(+)5.95	(+)0.44
99.	296	Golakanahalli quarry	14-06	76-14	Gneiss dynamic metamorphic	Medium grained gneissose	Grey	2.67	2.58	2.17	0.84	1 264	161	243	0.10	(+)4.17	(+)0.08
100.	297	Sirappanahalli quarry	14-01	76-15	do	do	Grey	2.67	2.61	1.67	0.63	1 364	131	266	0.21	(-)7.54	(-)0.07
101.	300	Singanahalli quarry	13-57	76-04	do	do	Grey	2.67	2.60	2.18	0.84	967	339	266	0.07	(+)7.33	(+)0.07

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
5. Hosadurga Taluk																	
102.	91	Ganehalli quarry	13-48	76-17	Granite plutonic igneous	Coarse grained equigranular	Grey	2.68	2.49	4.30	1.73	1 047	118	137	0.15	(+)9.55	(+)0.15
103.	92	Devigere devaragudda quarry	13-56	76-15	do	do	Pink	2.68	2.58	2.60	1.01	905	101	201	0.02	(+)15.87	(+)0.08
104.	196	Mylapura quarry	13-37	76-77	do	do	Grey	2.66	2.57	1.99	0.77	1 302	192	184	0.01	(+)17.08	(+)0.25
105.	97	Burudekatte quarry	13-49	76-08	do	Medium grained equigranular	Grey	2.67	2.58	1.90	0.74	2 003	285	197	0.02	(+)23.33	(+)0.11
106.	197	Hakkithi-mmainahatty quarry	13-56	76-20	do	do	Grey	2.67	2.58	2.96	1.14	1 753	204	162	Nil	(+)13.96	(+)0.19
107.	298	Kabbala quarry	13-43	76-19	Gneiss dynamic metamorphic	Coarse grained gneissose	Pink	2.66	2.58	0.95	0.37	1 935	234	197	Nil	(+)33.13	(+)0.31
108.	299	Madhure quarry	13-50	76-15	do	do	Pink	2.67	2.61	1.84	0.70	955	251	180	0.03	(+)22.38	(+)0.18

(8) DAKSHINA KANNADA DISTRICT**1. Belthangadi Taluk**

109.	28	Guruvinakere quarry	13-02	75-13	Granite plutonic igneous	Coarse grained equigranular	Grey	2.66	2.56	1.29	0.50	1 278	99	186	0.32	(-) 3.70	(-) 0.14
110.	30	Dharmasthala quarry	13-05	75-12	do	do	Grey	2.66	2.61	3.35	1.28	1 107	167	146	0.32	(-) 1.39	(+)0.12
111.	29	Uppinangadi quarry	12-57	75-15	do	Medium grained equigranular	Grey	2.69	2.65	1.86	0.73	963	149	183	0.41	(+)6.20	(+)0.07

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 1) : 1974	Transverse Strength (Saturated) (kg / sq.cm) (IS 1121 (Part 2): 1974	Shear Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 4) : 1974	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2. Kundapura Taluk																	
112.	26	Granite quarry at 18.50 km of Kandlur-hosangadi road	13-36	74-55	Granite plutonic igneous	Coarse grained equigranular	Grey	2.69	2.61	3.17	1.21	724	167	178	0.10	(-)12.11	(-)0.01
113.	27	Mogabettu quarry	13-33	74-52	do	do	Grey	2.66	2.63	2.48	0.94	725	117	214	0.11	(-)24.29	(-)0.03
3. Udupi Taluk																	
114.	219	Saibrakatte quarry	13-28	74-52	Gneiss dynamic metamorphic	Coarse grained gneissose	Grey	2.66	2.61	2.37	0.91	1159	119	171	0.12	(-)3.05	(+)0.01
115.	260	Mallar quarry	13-12	74-53	do	do	Grey	2.73	2.63	2.57	0.98	784	128	174	0.17	(-)4.44	(+)0.01
(9) DHARWAD DISTRICT																	
1. Dharwad Taluk																	
116.	186	Mandiganal quarry	15-27	74-57	Granite plutonic igneous	Medium grained equigranular	Grey	2.86	2.64	1.06	0.40	1 614	458	208	0.09	(+)65.83	(+)0.37
2. Gadag Taluk																	
117.	187	Chincholi quarry	15-18	75-29	do	do	Grey	2.87	2.56	1.72	0.67	1 449	275	210	0.16	(+)47.52	(+)0.49

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
3. Kalaghatgi Taluk																	
118.	509	Dhumwad quarry	15-18	75-03	Sand-stone	Fine grained	Red	2.84	2.57	1.90	0.84	972	211	170	0.13	(+)50.32	(+)0.44
4. Mundargi Taluk																	
119.	189	Mundargi quarry	15-12	75-43	Granite plutonic igneous	Coarse grained equigranular	Grey	2.82	2.59	0.87	0.33	664	214	176	0.10	(+)159.25	(+)0.54
5. Navalgunda Taluk																	
120.	403	Navalgunda quarry	15-34	75-10	Quartzite	Fine grained equigranular	Red	2.83	2.60	0.78	0.30	1 434	128	151	0.14	(+)69.38	(+)0.27
121.	188	Annigeri quarry	15-24	75-19	Granite plutonic igneous	Medium grained equigranular	Grey	2.87	2.61	1.05	0.40	1 516	244	174	0.10	(+)132.64	(+)0.46
6. Shirahatti Taluk																	
122.	200-A	Nadigatte quarry	15-20	75-33	do	Coarse grained equigranular	Grey	2.81	2.32	1.03	0.44	646	283	177	0.08	(+)115.24	(+)0.57
123.	200-B	Adrahalli quarry	15-07	75-34	do	do	Grey	2.88	2.56	1.28	0.50	1 088	298	102	0.12	(+)144.56	(+)0.48
124.	200-C	Chikkasavanur quarry	15-04	75-35	do	do	Grey	2.80	2.57	1.04	0.40	952	258	166	0.09	(+)93.33	(+)0.50
(10) GULBARGA DISTRICT																	
1. Sedam Taluk																	
125.	602	Baddigere quarry	77-10	77-16	Limestone chemical sedimentary	Fine grained massive	Grey	2.68	2.65	1.42	0.53	981	218	189	0.11	(-)44.44	(-)0.16

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 1) : 1974)	Transverse Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 2) : 1974)	Shear Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 4) : 1974)	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2. Shahapur Taluk																	
126.	31	Hulkal quarry	16-47	76-55	Granite plutonic igneous	Coarse grained equigranular	Grey	2.62	2.60	2.36	0.91	1 083	162	219	0.07	(-)14.54	(+)0.03
127.	601	Sirwal quarry	16-43	76-57	Limestone chemical sedimentary	Fine grained massive	Grey	2.67	2.64	1.69	0.63	731	180	159	0.20	(-)75.00	Nil
3. Jewargi Taluk																	
128.	332	Nedaldi quarry	17-01	76-29	Basalt vesicular volcanic basic	Fine grained glassy	Black	3.00	2.87	2.31	0.81	1 116	265	212	0.24	(+)29.40	(-)0.03
4. Yadgir Taluk																	
129.	32	Paglapur quarry	16-47	77-10	Granite plutonic igneous	Coarse grained equigranular	Grey	2.66	2.56	2.24	0.88	832	169	283	0.06	(-)26.79	(-)0.02
(11) HASSAN DISTRICT																	
1. Alur Taluk																	
130.	34	Nergalale quarry	12-51	75-56	do	do	Grey	2.69	2.57	11.56	4.49	831	164	218	0.25	(+)45.18	(-)0.08

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2. Arkalgud Taluk																	
131.	293	Hosahalli quarry	12-38	76-04	Gneiss dynamic metamorphic	Coarse grained gneissose	Grey	2.67	2.54	12.35	4.86	1 200	171	147	0.70	(+)31.94	(-) 0.07
3. Arsikere Taluk																	
132.	109	Gavimutt quarry	13-22	76-11	Granite plutonic igneous	Coarse grained equigranular	Grey	2.67	2.59	2.27	0.87	1 021	119	188	0.15	(+)24.51	(+)0.41
133.	110	Ponnasamudra quarry	13-16	76-19	do	do	Pink	2.67	2.56	2.67	1.04	1 801	132	214	0.06	(+)35.12	(+)0.35
134.	111	Katikere quarry	13-22	76-15	do	do	Pink	2.68	2.63	2.92	1.11	801	96	123	0.07	(+)33.89	(+)0.54
135.	112	Chikkur quarry at 6/11 mile of BHR-150	13-23	76-14	do	do	Pink	2.66	2.62	2.73	1.04	1 284	168	173	0.10	(+)68.89	(+)0.66
136.	113	Banavara marashettihalli quarry	13-32	76-22	do	do	Grey	2.67	2.61	2.91	1.11	1 077	97	191	0.13	(+)25.15	(+)1.18
137.	39	Arakere quarry	13-22	76-08	do	Medium grained equigranular	Grey	2.68	2.63	2.66	1.01	706	142	211	0.05	(-)18.75	(+)0.03
138.	115	Karekal ukkada quarry	13-15	76-20	do	do	Grey	2.67	2.59	1.83	0.70	921	239	176	0.12	(+)43.45	(+)0.36
139.	118	Marashettihalli quarry	13-12	76-20	Granite hypobysal igneous	Fine grained ophitic	Grey	2.69	2.67	1.61	0.60	1 181	144	180	0.07	(+)40.63	(+)0.28
140.	229	Undiganalu quarry	13-16	76-08	Gneiss dynamic metamorphic	Coarse grained gneissose	Grey	2.67	2.55	1.97	0.77	1 290	97	208	0.17	(-)10.78	(-)0.03
141.	261	Gubbichickana	13-28	76-09	do	do	Grey	2.68	2.62	2.56	0.98	799	250	179	0.06	(+)62.5	(+)0.46

Table 1 (Continued)

SI No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 1) : 1974)	Transverse Strength (Saturated) (kg / sq.cm) (IS 1121 (Part 2) : 1974)	Shear Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 4) : 1974)	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974) Change in Absorption (%) Change in Volume (%)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
142.	268	Doddayaraganalu quarry	13-13	76-19	do	Medium grained gneissose	Grey	2.66	2.59	2.88	1.11	788	162	192	0.05	(+)73.33	(+)0.58
143.	295	Somashettyhalli quarry	13-29	76-16	do	do	Grey	2.67	2.61	1.05	0.40	808	163	159	0.02	(-)0.35	(+)0.18
4. C.R.Patna Taluk																	
144.	36	Sravanabelagola quarry	12-51	76-27	Granite plutonic igneous	Medium grained equigranular	Grey	2.66	2.59	1.48	0.57	1 219	127	218	0.10	(-)19.03	(-)0.04
145.	114	Devarahalli quarry	12-56	76-26	do	do	Grey	2.65	2.59	1.91	0.74	1 048	89	164	0.11	(+)42.86	(+)0.39
146.	264	Virupakshapura quarry	13-02	76-29	Gneiss dynamic metamorphic	Medium grained gneissose	Grey	2.67	2.58	2.43	0.94	1 460	184	181	0.07	(+)27.01	(+)0.26
147.	265	Samudravalli quarry	12-59	76-29	do	do	Grey	2.67	2.62	1.76	0.67	1 364	161	177	0.06	(+)13.45	(+)0.27
148.	266	Didiga quarry	13-02	76-34	do	do	Grey	2.68	2.65	1.96	0.74	1 267	134	185	0.05	(+)24.34	(+)0.51
149.	270	Gowdagere quarry	12-57	76-30	do	do	Grey	2.67	2.63	2.30	0.87	957	88	185	0.08	(+)30.12	(+)0.37
150.	294	Havinahalli quarry	13-03	76-28	do	do	Grey	2.67	2.62	2.92	1.11	1 624	126	202	0.02	(+)6.69	(+)0.13

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
5. Hassan Taluk																	
151.	33	Madihalli quarry	13-03	76-06	Granite plutonic igneous	Coarse grained equigranular	Grey	2.66	2.57	7.95	2.95	1 813	138	171	0.17	(+)29.96	(+)0.04
152.	290	Kallenahalli quarry	12-53	76-11	Gneiss dynamic metamorphic	Coarse grained gneissose	White	2.67	2.59	10.35	3.99	1 556	169	189	0.03	(+)20.63	(-)0.11
153.	291	Angadihalli quarry	13-08	76-01	do	do	Grey	2.67	2.60	11.77	4.53	1 571	195	174	0.06	(-)30.09	(+)0.02
6. H.N.Pura Taluk																	
154.	139	Halekote quarry	12-54	76-11	Granite plutonic igneous	Coarse grained equigranular	Grey	2.66	2.62	1.85	0.70	768	181	139	0.11	(+)118.89	(+)0.67
155.	140	Galipura quarry	12-47	76-13	do	do	Grey	2.67	2.61	2.10	0.81	1 237	128	129	0.14	(+)86.67	(+)0.47
156.	141	Hariharapura quarry	12-50	76-16	do	do	Grey	2.70	2.58	3.65	1.42	1 009	202	216	0.13	(+)17.98	(+)0.21
157.	195	Devara muddanahalli quarry	12-43	76-20	do	Medium grained equigranular	Grey	2.66	2.56	1.20	0.50	1 145	176	141	0.05	(+)16.87	(+)0.20
158.	269	Odanahalli quarry	12-41	76-12	Gneiss dynamic metamorphic	Medium grained gneissose	Grey	2.67	2.61	1.93	0.74	1 513	119	169	0.09	(+)33.26	(+)0.49
7. Sakaleshpura Taluk																	
159.	292	Chinnahalli quarry	12-57	75-48	do	Coarse grained gneissose	Pink	2.66	2.61	8.70	3.34	1 492	244	251	0.10	(+)36.24	(-)0.44

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 1) : 1974)	Transverse Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 2) : 1974)	Shear Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 4) : 1974)	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Change in Absorption (%)	Change in Volume (%)
(12) KODAGU DISTRICT																	
1. Madikert Taluk																	
160.	180	Bettadahalli quarry	12-37	75-39	Granite plutonic igneous	Medium grained equigranular	Grey	2.66	2.59	2.18	0.84	903	112	225	5.57	(-)5.26	(-)0.12
161.	289	Kondangeri quarry at 14.4Km of Ammathimurad road	12-17	75-40	Gneiss dynamic metamorphic	Coarse grained gneissose	Grey	2.80	2.70	3.19	1.18	1 105	122	157	0.34	(+)12.22	(-)0.03
2. Somavarapet Taluk																	
162.	48	Kalkandoor quarry	12-38	75-55	Charnokite plutonic metamorphic	Medium grained granuloase	Grey	2.67	2.63	1.76	0.67	841	157	142	0.97	(+)10.00	(+)0.17
163.	50	Shantalli quarry	12-41	75-48	do	do	Grey	2.66	2.59	1.74	0.67	1 219	214	223	0.31	(-)4.18	(-)0.06
164.	49	Kodlipet quarry	12-46	75-55	Granite plutonic igneous	Coarse grained equigranular	Grey	2.66	2.37	3.13	1.21	1 717	69	224	2.17	(-)7.52	(-)0.07

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
165.	236	Kajoor quarry	12-31	75-57	Gneiss dynamic metamorphic	Coarse grained gneissose	Grey	2.66	2.57	3.12	1.21	788	85	185	21.75	(-)6.04	(-)0.05
166.	285	Banavara quarry	12-34	75-40	do	Medium grained gneissose	Grey	2.67	2.58	2.08	0.30	881	121	201	0.09	(-) 17.22	(-) 0.12
167.	286	Mullusoge quarry	12-29	75-58	do	do	Grey	2.67	2.59	1.74	0.67	1 315	70	167	5.53	(-)6.95	(-)0.05
168.	287	Guddehosur quarry	12-27	75-58	do	do	Grey	2.69	2.58	1.99	0.77	863	64	197	1.13	(+)13.33	(+)0.06
169.	288	Hosakote quarry	12-26	75-57	do	do	Grey	2.66	2.58	2.79	1.08	1 316	86	205	1.64	(+)1.30	(+)0.16
3. Virajpet Taluk																	
170.	52	Boikere quarry	12-12	75-45	Granite plutonic igneous	Coarse grained equigranular	Grey	2.65	2.61	1.67	0.64	859	127	210	0.28	(-)15.69	(-)0.18
171.	53	B.Shettigeri quarry	12-07	5-55	do	do	White	2.66	2.62	1.85	0.70	671	120	145	0.17	(-)35.15	(+)0.08
172.	239	Kallumotte quarry	12-14	75-48	Gneiss dynamic metamorphic	Coarse grained gneissose	Grey	2.67	2.62	2.29	0.88	1 022	129	227	1.19	(+)24.82	(+)0.09
173.	240	Dubbory quarry	12-15	75-59	do	do	Grey	2.68	2.65	2.23	0.84	918	116	223	0.22	(+)8.37	(+)0.42
174.	241	Kalathwadi quarry	12-12	75-59	do	do	Grey	2.69	2.60	2.37	0.91	706	162	214	0.42	(-) 0.30	(+)0.14
(13) KOLAR DISTRICT																	
1. Bagepally Taluk																	
175.	174	Kerkoor quarry	13-40	77-50	Granite plutonic igneous	Coarse grained equigranular	Grey	2.87	2.58	0.37	0.95	1 481	291	163	0.08	(+)55.18	(+)0.47

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) IS 1121 (Part 1) : 1974	Transverse Strength (Saturated) (kg / sq.cm) IS 1121 (Part 2): 1974	Shear Strength (Saturated) (kg/sq.cm) IS 1121 (Part 4) : 1974	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974) Change in Absorption (%) Change in Volume (%)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
176.	175	Gontamalamme quarry	13-46	77-50	Granite plutonic igneous	Medium grained equigranular	Grey	2.83	2.60	0.47	1.22	2 288	320	171	0.09	(+)76.92	(+)0.51
177.	176	Paipally quarry	13-52	77-48	do	do	Grey	2.96	2.53	0.50	1.27	774	290	158	0.09	(+)29.14	(+)0.39
2. Bangarapet Taluk																	
178.	190	Garebande quarry	12-53	78-11	do	Coarse grained equigranular	Grey	2.68	2.57	5.52	2.14	1 100	226	181	0.06	(+)57.96	(+)0.76
179.	191	Byragutta quarry	12-56	78-23	do	do	Grey	2.67	2.57	4.55	1.76	1 485	164	180	0.09	(+)23.61	(+)0.37
180.	281	Kempapura quarry	12-52	78-17	Gneiss dynamic metamorphic	Coarse grained gneissose	Grey	2.66	2.62	4.89	1.87	1 219	166	214	0.01	(+)18.22	(+)0.48
3. Chickballapura Taluk																	
181.	166	Lingasettypura quarry	13-27	77-36	Granite plutonic igneous	Coarse grained equigranular	Grey	2.78	2.60	0.40	1.04	695	175	166	0.05	(+)31.28	(+)0.29
182.	167	Cholasettyhalli quarry	13-30	77-40	do	do	Grey	2.83	2.58	0.50	1.30	1 062	190	164	0.06	(+)47.43	(+)0.33

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
183.	209	Dharpatty quarry	13-29	77-42	Gneiss dynamic metamorphic	Medium grained gneissose	Grey	2.90	2.63	0.40	1.05	1 314	243	214	0.10	(+)16.80	(+)0.28
184.	210	Varlakonda quarry	13-37	77-44	do	do	Grey	2.82	2.58	0.50	1.29	308	166	134	0.04	(+)12.93	(+)0.28
185.	168	Horlabande quarry	13-30	77-38	Granite plutonic igneous	Medium grained equigranular	Grey	2.76	2.59	0.60	1.56	798	218	139	0.09	(+)25.53	(+)0.33
4. Chintamani Taluk																	
186.	169	Murugamalla quarry	13-26	78-07	do	Coarse grained equigranular	Grey	2.78	2.58	0.37	0.95	1 358	132	144	0.11	(+)30.51	(+)0.42
187.	170	Urlakonda quarry	13-36	78-08	do	do	Grey	2.77	2.57	0.90	2.34	683	214	149	0.13	(+)17.22	(+)0.31
5. Gowribidanur Taluk																	
188.	173	Nyamagondalu quarry	13-30	77-31	do	Medium grained equigranular	Grey	2.78	2.59	0.67	0.88	988	370	166	0.10	(+)49.34	(+)0.47
6. Kolar Taluk																	
189.	177	Thirumalakoppa quarry	13-03	78-01	do	do	Grey	2.77	2.58	1.15	2.95	1 310	271	179	0.07	(+)81.55	(+)0.47
190.	178	Chickanahalli quarry	13-05	78-04	do	do	Grey	2.91	2.63	0.40	1.06	410	251	180	0.11	(+)37.56	(+)0.33
191.	179	Valagalapura quarry	13-16	78-06	do	Coarse grained equigranular	Grey	2.90	2.57	0.50	1.29	505	200	144	0.11	(+)21.11	(+)0.31
192.	181	Channapura quarry	13-14	78-06	do	do	Grey	2.86	2.61	0.40	1.05	866	139	195	0.10	(+)17.44	(+)0.32
193.	192	Talagunda quarry	13-12	78-13	do	do	Grey	2.66	2.58	5.00	1.94	840	115	156	0.08	(+)16.66	(+)0.18

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) IS 1121 (Part 1) : 1974	Transverse Strength (Saturated) (kg / sq.cm) IS 1121 (Part 2) : 1974	Shear Strength (Saturated) (kg/sq.cm) IS 1121 (Part 4) : 1974	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974) Change in Absorption (%) Change in Volume (%)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
194.	193	Bellur quarry	13-10	78-03	Granite plutonic igneous	Course grained equigranular	Grey	2.66	2.57	6.77	2.63	909	201	161	0.06	(+)26.42	(+)0.45
195.	194	Sonnenahalli quarry	13-11	77-59	do	do	Grey	2.67	2.58	3.48	1.35	1 307	126	158	Nil	(+)23.40	(+)0.29
7. Mulabagal Taluk																	
196.	108	Emmenatha quarry	13-06	78-25	do	do	Grey	2.73	2.61	0.87	0.33	1 507	183	112	0.04	(+)14.00	(+)0.24
197.	116	Hanumanahalli quarry	13-10	78-17	do	do	Grey	2.78	2.58	0.47	1.21	1 632	223	205	0.04	(+)25.00	(+)0.30
198.	117	Malleri quarry	13-11	78-18	do	do	Grey	2.73	2.56	0.40	1.03	1 254	179	137	0.08	(+)7.57	(+)0.21
199.	119	Kurudamale quarry	13-13	78-22	do	do	Grey	2.76	2.62	0.33	0.87	2 213	242	202	0.06	(+)27.63	(+)0.29
200.	120	Kothur quarry	13-04	78-20	do	do	Grey	2.79	2.59	0.91	2.35	1 155	144	168	0.07	(+)13.44	(+)0.32
201.	121	Duggasandra quarry	13-14	78-22	do	do	Grey	2.78	2.56	0.23	0.60	1 761	197	164	0.05	(+)27.40	(+)0.28
202.	126	Kavathanahalli quarry	13-15	78-18	do	do	Grey	2.84	2.58	0.30	0.78	1 238	166	191	0.07	(+)34.23	(+)0.29
203.	132	Kurubanhalli quarry	13-07	78-15	do	do	Grey	2.77	2.60	0.67	1.74	1 499	180	184	0.06	(+)25.61	(+)0.28

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
204.	164	Doddanathahalli quarry	13-13	78-28	do	do	Grey	2.78	2.58	0.60	1.55	1 299	176	173	0.06	(+)28.22	(+)0.38
205.	165	Kadripura quarry	13-11	78-29	do	do	Grey	2.96	2.58	0.30	0.77	1 753	297	196	0.06	(+)46.91	(+)0.25

(14) MANDYA DISTRICT

1. K.R. Pet Taluk

206.	277	Gavinata quarry	12-35	76-29	Gneiss dynamic metamorphic	Medium grained gneissose	Grey	2.69	2.59	1.82	0.70	1 623	220	219	0.14	(+)159.47	(+)0.61
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2. Maddur Taluk

207.	145	Arethippur quarry	12-34	77-09	Granite plutonic igneous	Medium grained equigranular	Grey	2.71	2.60	2.27	0.87	1 052	146	141	0.03	(+)16.19	(+)0.13
208.	144	Chandahalli-doddi quarry	12-37	77-07	do	do	Grey	2.71	2.58	1.56	0.60	948	206	186	0.02	(+)18.63	(+)0.26
209.	134	Keelaghatta quarry	12-43	77-03	do	Coarse grained equigranular	Grey	2.70	2.58	3.93	1.52	1 070	148	145	0.06	(+)13.40	(+)0.18
210.	136	Nandibasa-veswara quarry	12-40	77-05	do	do	Grey	2.70	2.60	1.57	0.60	731	180	151	0.06	(+)24.22	(+)0.32
211.	137	Sheebanahalli quarry	12-37	77-05	do	do	Grey	2.71	2.64	2.40	0.91	642	232	158	0.02	(+)32.44	(+)0.29

3. Malavalli Taluk

212.	138	Agasanapura quarry	12-23	7-10	do	Medium grained equigranular	Grey	2.68	2.65	2.32	0.87	784	150	168	0.09	(+)58.01	(+)0.43
213.	107	Kalakuni quarry	12-14	77-03	do	Coarse grained equigranular	Grey	2.74	2.60	3.70	1.42	1 046	152	120	0.05	(+)10.90	(+)0.21

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) IS 1121 (Part 1) : 1974	Transverse Strength (Saturated) (kg / sq.cm) IS 1121 (Part 2) : 1974	Shear Strength (Saturated) (kg/sq.cm) IS 1121 (Part 4) : 1974	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974) Change in Absorption (%) Change in Volume (%)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
214.	146	Keelanaahalli quarry	12-18	77-08	Granite plutonic igneous	Medium grained equigranular	Grey	3.02	2.97	1.99	0.67	1 374	354	195	0.05	(+)61.32	(+)0.22
215.	271	Kuntanadoddi quarry	12-23	77-15	Gneiss dynamic metamorphic	Coarse grained gneissose	Grey	2.87	2.66	2.41	0.91	1 170	221	180	0.04	(+)56.89	(+)0.32
4. Nagamangala Taluk																	
216.	273	Islampura quarry	12-53	76-52	do	Medium grained gneissose	Grey	2.71	2.62	2.37	0.91	1 298	164	185	0.05	(+)16.77	(+)0.21
217.	133	Kottapura quarry	12-48	76-41	Granite plutonic igneous nular	Medium grained equigranular	Grey	2.68	2.58	1.56	0.60	827	229	199	0.13	(+)108.56	(+)0.70
5. Pandavapura Taluk																	
218.	276	Chinakurali quarry	12-33	76-41	Gneiss dynamic metamorphic	Medium grained gneissose	Grey	2.72	2.66	0.89	0.33	1 305	151	144	0.13	(+)80.84	(+)0.39
219.	274	Kannambadi quarry	12-38	76-38	do	do	Grey	2.67	2.64	0.62	0.23	1 166	155	119	0.19	(+)86.21	(+)0.60

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
220.	278	Nuggehalli quarry	12-35	76-44	do	do	Grey	2.70	2.59	1.39	0.53	1 230	179	138	0.08	(+)32.27	(+)0.27
6. Srirangapatna Taluk																	
221.	275	Manti quarry	12-25	76-48	do	do	Grey	2.69	2.63	1.41	0.53	1 199	172	146	0.17	(+)123.01	(+)0.73
222.	131	Muddanahalli quarry	12-27	76-50	Granite plutonic igneous	Medium grained equigranular	Grey	2.70	2.64	2.31	0.87	770	232	141	0.07	(+)30.32	(+)0.26
223.	135	T.M. Hosur quarry	12-26	76-47	do	do	Grey	2.64	2.58	1.91	0.73	896	155	123	0.14	(+)28.69	(+)0.48
(15) MYSORE DISTRICT																	
1. Chamarajanagara Taluk																	
224.	279	Dadadalli quarry	11-55	77-03	Gneiss dynamic metamorphic	Coarse grained gneissose	Grey	2.69	2.61	3.44	1.33	1 396	154	130	0.11	(+)40.33	(+)0.40
225.	149	Maliyur quarry	11-57	76-53	Granite plutonic igneous	Medium grained equigranular	Grey	2.68	2.56	2.06	0.81	894	192	183	0.13	(+)35.89	(+)0.45
226.	280	Chikkahole quarry	11-48	77-00	Gneiss dynamic metamorphic	Medium grained gneissose	Grey	2.69	2.65	0.79	0.30	1 346	162	169	0.12	(+)56.80	(+)0.58
2. Gundlupet Taluk																	
227.	281	Guruvinnagudda quarry	11-49	76-38	do	do	Grey	2.69	2.59	3.86	1.49	1 257	157	237	0.12	(-)13.97	(-)0.02
228.	282	Sriramadevaragudda quarry	11-47	76-40	do	do	Grey	2.68	2.57	1.98	0.77	1 843	152	178	0.11	(-) 12.22	(-) 0.01
229.	283	Anganeyya swamy temple quarry	11-42	76-41	do	Coarse grained gneissose	Black	2.67	2.60	2.27	0.87	923	180	287	0.25	(-) 4.62	Nil
230.	246	Hirekatte quarry	11-58	76-38	do	do	Pink	2.63	2.62	0.96	0.37	991	105	203	0.17	(-) 5.34	Nil

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 1) : 1974	Transverse Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 2): 1974	Shear Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 4) : 1974	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974) Change in Absorption (%) Change in Volume (%)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
231.	147	Kamanakote quarry	11-48	76-38	Granite plutonic igneous	Medium grained equigranular	Grey	2.69	2.62	2.20	0.84	1 243	165	181	0.10	(+)35.51	(+)0.26
3. Hunsur Taluk																	
232.	182	Hirige quarry	12-22	76-13	do	do	Grey	2.85	2.59	1.04	0.40	1 008	142	116	0.05	(+)21.69	(+)0.34
233.	183	Kattegala quarry	12-21	76-14	do	do	Grey	2.84	2.55	1.97	0.77	1 123	119	148	0.10	(+)21.22	(+)0.86
234.	184	Hirige-2 quarry	12-21	76-13	do	do	Grey	2.81	2.58	1.82	0.70	1 205	99	153	0.03	(+)24.58	(+)0.43
235.	185	Kiragaj quarry	12-20	76-18	do	Coarse grained equigranular	Pink	2.81	2.52	2.80	1.11	724	96	92	0.07	(+)12.24	(+)0.19
4. K. R. Nagara Taluk																	
236.	262	Singenahalli quarry	12-29	76-19	Gneiss dynamic metamorphic	Medium grained gneissose	Grey	2.68	2.60	1.92	0.74	1 486	142	149	0.06	(+)15.03	(+)0.23
237.	59	Gommatagiri quarry	12-29	76-26	Granite plutonic igneous	Medium grained equigranular	Grey	2.68	2.58	1.99	0.77	925	159	194	0.17	(-)5.17	(-)0.01

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
238.	263	Gommatagiri quarry	12-28	76-27	Gneiss dynamic metamorphic	Medium grained gneissose	Grey	2.69	2.55	1.71	0.67	1 103	179	163	0.11	(+)36.51	(+)0.30
239.	150	Bylapura quarry	12-31	76-17	Granite plutonic igneous	Medium grained equigranular	Grey	2.67	2.59	1.57	0.60	1 345	114	148	0.07	(+)24.07	(+)0.34
240.	251	Doddahalli quarry	12-29	76-16	Gneiss dynamic metamorphic	Medium grained gneissose	Grey	2.76	2.57	1.55	0.60	1 151	208	185	0.09	(+)19.29	(+)0.24
5. Periyapatna Taluk																	
241.	151	Bettadapura quarry	12-25	76-08	Granite plutonic igneous	Medium grained equigranular	Grey	2.68	2.57	2.07	0.81	932	113	123	0.08	(+)13.73	(+)0.23
242.	83	Sunkadally quarry	12-29	76-00	do	do	Grey	2.79	2.61	1.57	0.60	834	115	153	0.09	(+)30.30	(+)0.23
243.	106	Pancharally quarry	12-18	75-59	do	do	Grey	2.76	2.56	2.68	1.04	829	175	146	0.04	(+)24.03	(+)0.21
244.	152	Kanagal quarry	12-33	76-02	do	do	Grey	2.72	2.57	2.08	0.81	855	151	132	0.14	(+)29.41	(+)0.33
6. T. N. Pura Taluk																	
245.	148	Chidarahally quarry	12-19	76-55	do	do	Grey	2.66	2.58	2.87	1.11	1 046	151	178	0.11	(+)44.28	(+)0.30
(16) RAICHUR DISTRICT																	
1. Deodurg Taluk																	
246.	64	Jalahalli quarry	16-21	76-51	do	Coarse grained equigranular	Pink	2.68	2.63	3.19	1.21	1 052	212	231	0.08	(+)39.17	(+)0.15
247.	65	Gabbur quarry	16-18	77-04	do	do	Grey	2.68	2.58	4.19	1.63	1 015	237	220	Nil	(+)61.11	(+)0.01

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) IS 1121 (Part 1) : 1974	Transverse Strength (Saturated) (kg / sq.cm) IS 1121 (Part 2): 1974	Shear Strength (Saturated) (kg/sq.cm) IS 1121 (Part 4) : 1974	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974)	
																Change in Absorption (%)	Change in Volume (%)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
248.	66	Kappar quarry	16-32	76-58	Granite plutonic igneous	Course grained equigranular	Grey	2.68	2.57	3.48	1.35	830	189	195	Nil	(+)145.83	(+)10.07
249.	67	Shambulinga quarry	16-20	76-55	do	do	Pink	2.66	2.59	0.78	0.30	1 640	232	187	0.05	(+)17.86	(+)0.09
250.	68	Galag quarry	16-23	77-06	do	Medium grained equigranular	Pink	2.68	2.55	9.16	3.59	1 394	233	177	0.03	(-) 62.96	(-) 0.09
251.	69	Arkere quarry	16-16	76-58	do	do	Pink	2.66	2.61	1.67	0.64	1 226	235	175	0.05	(-) 71.07	(-) 0.19
		2. Gangavathi Taluk															
252.	81	Bandibasappa quarry	15-33	76-24	do	do	Grey	2.66	2.62	2.11	0.81	1 074	114	155	0.01	(-) 40.48	(-) 0.18
		3. Koppal Taluk															
253.	77-A	Jabbal gudda quarry	15-30	76-18	do	do	Grey	2.67	2.56	5.96	2.28	1 401	78	187	0.01	(-) 91.67	(-) 0.24
254.	77-B	Jabbal gudda quarry	15-30	76-18	do	do	Pink	2.67	2.59	2.87	1.11	959	200	156	0.05	(+)44.44	(+)0.09
255.	77-C	Jabbal gudda quarry	15-30	76-18	Gneiss dynamic metamorphic	Coarse grained gneissose	Pink	2.76	2.69	2.35	0.88	1 592	142	158	0.68	(+)7.14	(+)0.06
256.	250	Mallimallappa quarry	15-33	76-07	do	do	Pink	2.79	2.72	2.47	0.91	1 038	100	174	0.05	(+)7.14	(-) 0.03

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
4. Kustagi Taluk																	
257.	79	Jahagirguddadur quarry	15-52	75-57	Granite plutonic igneous	Coarse grained equigranular	Pink	2.66	2.57	3.56	1.38	986	103	213	0.22	(+)15.28	(+)0.03
258.	80	Hiremannapura quarry	15-49	76-17	do	do	Grey	2.66	2.61	2.01	0.77	1 364	151	201	0.01	(+)30.00	(+)0.01
259.	508	Beelagi quarry	15-59	76-01	Sandstone mechanical sedimentary	Fine grained equigranular	White	2.66	2.41	6.15	2.85	1 057	83	209	13.73	(+)0.96	(-)0.12
5. Lingasugur Taluk																	
260.	73	Gudugunta quarry	16-22	76-33	Granite plutonic igneous	Coarse grained equigranular	Pink	2.69	2.52	8.69	3.45	841	246	238	0.02	Nil	(-)0.01
261.	74	Maski quarry	16-05	76-37	do	do	Grey	2.70	2.53	9.10	3.59	625	229	265	0.03	(+)77.78	(+)0.09
262.	75	Madgal quarry	16-05	76-23	do	do	Grey	2.67	2.64	1.51	0.57	1 120	218	216	0.02	(+) 4.17	(+) 0.07
6. Manvi Taluk																	
263.	76	Kowtal quarry	16-12	76-41	do	do	Grey	2.67	2.60	5.02	1.94	783	223	242	0.01	Nil	(+)0.03
264.	60	Donmardi quarry	16-05	76-54	do	Medium grained equigranular	Pink	2.72	2.56	2.15	0.84	1 240	241	219	Nil	(-)36.01	(-)0.11
265.	62	Patkamdoddi quarry	16-15	76-53	do	Coarse grained equigranular	Pink	2.66	2.61	2.37	0.91	1 109	200	225	0.02	(+)133.33	(+)0.12
266.	63	Sanjeevarayana quarry	16-03	76-53	do	Medium grained equigranular	Grey	2.67	2.58	2.81	1.11	1 749	174	217	0.01	(+)147.22	(+)0.22

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 1) : 1974	Transverse Strength (Saturated) (kg / sq.cm) IS 1121 (Part 2) : 1974	Shear Strength (Saturated) (kg/sq.cm) IS 1121 (Part 4) : 1974	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974) Change in Absorption (%) Change in Volume (%)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
267.	122	Wadavatti quarry	16-16	76-53	Granite plutonic igneous	Coarse grained equigranular	Pink	2.69	2.60	1.31	0.50	1 019	206	224	0.03	(-)20.55	(-)0.04
		7. Raichur Taluk															
268.	70	Gillesagara quarry	16-02	77-19	do	Medium grained equigranular	Grey	2.67	2.59	1.48	0.51	1 544	205	227	0.09	(+)56.94	(-)0.11
269.	71	Thimmapura quarry	16-26	77-08	do	Coarse grained equigranular	Grey	2.67	2.56	1.37	0.53	1 224	163	171	0.07	(-)50.00	(-)0.10
270.	123	Chandrabande quarry	16-15	77-22	do	do	Grey	2.65	2.56	3.90	1.52	1 100	117	193	0.10	(-)55.83	(-)0.14
		8. Sindanur Taluk															
271.	89	Roudakunda quarry	15-45	76-44	do	Medium grained equigranular	Pink	2.67	2.65	2.32	0.87	1 281	218	175	0.05	(+)16.67	(+)0.07
272.	82	Gudneppamath quarry	15-28	76-02	do	Coarse grained equigranular	Grey	2.69	2.62	2.11	0.81	1 259	154	197	0.03	(+)61.11	(-)0.05

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
(17) TUMKUR DISTRICT																	
1. C. N. Halli Taluk																	
273.	12	Nandihalli quarry	13-35	76-30	do	do	Grey	2.78	2.59	1.04	0.40	781	190	137	0.03	(-)10.74	(+)0.04
2. Gubbi Taluk																	
274.	161	Bikkegudda quarry	13-15	76-57	do	Medium grained equigranular	Grey	2.68	2.55	2.06	0.81	938	167	129	0.07	(+)17.82	(+)0.27
3. Koratagere Taluk																	
275.	21	Hanumanthabande quarry	13-31	77-18	do	Coarse grained equigranular	Grey	2.78	2.61	1.22	0.47	669	144	153	0.04	(+)4.61	(+)0.06
276.	22	Ajjihalli quarry	13-30	77-18	do	do	Pink	2.78	2.62	1.58	0.60	781	170	188	0.05	Nil	(+)0.08
277.	23	Lalanaikana-bande quarry	13-23	77-17	do	Medium grained equigranular	Grey	2.79	2.61	1.04	0.40	876	174	102	0.05	(+)1.68	(+)0.08
4. Kunigal Taluk																	
278.	159	Nademavinapura quarry	12-56	76-58	do	Coarse grained equigranular	Grey	2.70	2.56	2.33	0.91	1 211	210	139	0.06	(+)66.83	(+)0.26
279.	160	Modur quarry	12-55	77-00	do	do	Grey	2.72	2.59	2.62	1.01	860	153	176	0.05	(+)20.93	(+)0.31
280.	162	Hosahalli quarry	12-58	77-02	do	Medium grained equigranular	Grey	2.75	2.62	2.30	0.87	1 076	270	172	0.02	(+)27.20	(+)0.39

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) IS 1121 (Part 1) : 1974	Transverse Strength (Saturated) (kg / sq.cm) IS 1121 (Part 2): 1974	Shear Strength (Saturated) (kg/ sq.cm) IS 1121 (Part 4) : 1974	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974)	
																Change in Absorption (%)	Change in Volume (%)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
281.	163	Maradigudda quarry	12-50	77-02	Granite plutonic igneous	Medium grained equigranular	Grey	2.69	2.60	1.57	0.60	1 064	135	141	0.04	(+)22.97	(+)0.21
282.	1	Meenasikere-doddy quarry	12-51	77-04	do	Coarse grained equigranular	Grey	2.84	2.58	3.94	1.52	1 079	102	156	0.09	(+)10.99	(+)0.11
5. Madugiri Taluk																	
283.	13	Chandragiri quarry	13-42	77-05	do	do	Grey	2.76	2.57	1.55	0.60	1 106	185	120	0.03	(+)10.09	(+)0.11
284.	14	Gutte quarry	13-43	77-05	do	do	Grey	2.76	2.56	1.29	0.50	832	230	161	0.04	(+)10.44	(+)0.02
285.	15	Singenahalli quarry	13-40	77-06	do	do	Grey	2.81	2.57	1.81	0.70	1 240	248	170	0.02	(+)16.23	(+)0.11
286.	16	Doddahosahalli quarry	13-36	77-17	do	do	Grey	2.72	2.58	0.87	0.33	1 001	236	160	0.02	(+)15.00	(+)0.07
287.	17	Kodagadala quarry	13-37	77-18	do	Medium grained equigranular	Grey	2.79	2.59	1.56	0.60	1 527	301	180	0.03	(+)5.60	(+)0.04
288.	18	Hosakere quarry	13-44	77-12	do	Coarse grained equigranular	Grey	2.75	2.56	0.86	0.33	790	179	114	0.08	(+)22.31	(+)0.10
289.	19	Garoni quarry	13-47	77-16	do	do	Grey	2.73	2.61	1.05	0.40	1 405	273	136	0.03	(+)11.27	(+)0.09

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
290.	20	Chandrabani quarry	13-53	77-14	do	do	Grey	2.75	2.55	0.76	0.30	844	201	131	0.01	(+)26.44	(+)0.15
6. Pavagada Taluk																	
291.	124	Dasarammanahally quarry	14-12	77-08	do	do	Pink	2.67	2.61	1.66	0.70	1 305	175	136	0.03	(+)16.66	(+)0.28
292.	125	Ramappana quarry	14-18	77-24	do	do	Grey	2.65	2.63	5.64	4.14	1 228	113	180	0.07	(+)50.00	(+)0.23
293.	127	Kadarihalli quarry	14-05	77-05	do	do	Grey	2.67	2.58	4.65	1.80	779	167	162	0.08	(+)39.08	(+)0.63
294.	128	Yemmarappana quarry	14-09	77-05	do	do	Grey	2.68	2.56	7.83	3.06	739	193	151	0.05	(+)33.33	(+)0.30
295.	129	Mallammana quarry	14-09	77-03	do	do	Grey	2.65	2.57	9.77	3.81	1 074	183	157	0.03	(+)27.54	(+)0.43
296.	130	B.Achamanahalli quarry	14-08	77-15	do	do	Grey	2.66	2.52	9.41	3.74	899	158	167	0.10	(+)38.10	(+)0.37
297.	153	Achamanahalli quarry	14-15	77-07	do	do	Grey	2.67	2.56	6.64	2.60	871	101	133	0.06	(+)36.10	(+)0.46
7. Sira Taluk																	
298.	88	Madakanahalli quarry	13-49	76-52	do	do	Grey	2.62	2.59	2.00	0.77	1 020	190	221	0.30	(+)6.30	(+)0.07
8. Tiptur Taluk																	
299.	3	Karadi quarry	13-15	76-35	do	do	Grey	2.89	2.61	2.02	0.77	1 538	189	157	0.04	(+)26.39	(+)0.20
300.	4	Bheemanaikana-halli quarry	13-15	76-25	do	do	Grey	2.74	2.59	1.91	0.74	1 261	196	182	0.05	(+)16.49	(+)0.33
301.	207	Kalammanagudda quarry	13-10	76-25	Gneiss dynamic metamorphic	Coarse grained gneissose	Grey	2.76	2.57	1.55	0.60	889	202	160	0.14	(+)13.41	(+)0.23
302.	9	Annemallena-halli quarry	13-15	76-28	Granite plutonic igneous	Coarse grained equigranular	Grey	2.73	2.63	2.39	0.91	1 330	219	146	0.08	(+)13.70	(+)0.25

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 1) : 1974)	Transverse Strength (Saturated) (kg / sq.cm) (IS 1121 (Part 2) : 1974)	Shear Strength (Saturated) (kg/sq.cm) (IS 1121 (Part 4) : 1974)	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974) Change in Absorption (%) Change in Volume (%)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
303.	208	Karekallu- ukkuda quarry	13-05	76-20	Gneisse dynamic metamor- phic	Coarse grained gneissose	Grey	2.84	2.59	1.56	0.06	1 360	190	190	0.04	(+)1.36	(+)0.03
304.	10	Sugur quarry	13-05	76-25	Granite plutonic igneous	Coarse grained equigra- nular	Grey	2.75	2.60	1.31	0.50	1 130	74	121	Nil	(+) 13.07	(+) 0.04
305.	11	Sidlehalli quarry	13-05	76-35	do	Medium grained equigra- nular	Grey	2.82	2.58	1.04	0.40	750	212	117	0.04	Nil	(+) 0.06
9. Tumkur Taluk																	
306.	154	Arakere quarry	13-24	77-08	do	Coarse grained equigra- nular	Grey	2.68	2.61	4.51	1.73	727	166	114	0.09	(+)25.61	(+)0.26
307.	155	Konthehalli quarry	13-30	77-06	do	do	Grey	2.71	2.62	1.76	0.67	1 329	183	132	0.07	(+)47.93	(+)0.36
308.	156	Hosahalli quarry	13-27	77-10	do	do	Grey	2.70	2.56	4.96	1.94	711	158	134	0.12	(+)184.28	(+)0.51
309.	157	Aregujjanahalli quarry	13-20	77-30	do	do	Pink	2.66	2.56	1.81	0.70	763	196	158	0.08	(+)42.35	(+)0.37
310.	158	Seethe kallu quarry	13-20	77-17	do	do	Grey	2.71	2.60	1.04	0.40	1 064	237	156	0.07	(+)145.33	(+)0.38

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
10. Turuvekere Taluk																	
311.	201	Ramasagara quarry	13-05	76-35	Gneiss dynamic metamorphic	Coarse grained gneissose	Grey	2.79	2.57	1.03	0.40	1 239	189	177	0.06	(+)21.08	(+)0.24
312.	2	Dananaikana-pura quarry	13-10	76-45	Granite plutonic igneous	Coarse grained equigranular	Grey	2.79	2.55	2.31	0.91	703	112	137	0.06	(+)4.11	(+)0.15
(18) SHIMOGA DISTRICT																	
1. Shimoga Taluk																	
313.	84	Kalkoppa quarry	13-55	75-28	do	Medium grained equigranular	Grey	2.69	2.64	1.68	0.64	1 385	226	206	0.11	(-)9.70	(+)0.05
314.	85	Umblebylu quarry	13-45	75-34	do	Coarse grained equigranular	Pink	2.66	2.56	4.33	1.69	1 236	90	221	2.02	(+)3.85	(+)0.04
315.	86	Lingapur quarry	13-47	75-33	do	do	Grey	2.67	2.58	2.52	0.98	612	95	157	0.35	(+) 1.33	(+) 0.12
316.	87	Kalgangur quarry	13-59	75-35	do	Medium grained equigranular	Pink	2.67	2.66	2.14	0.81	1 591	221	249	0.17	(-)44.75	(-)0.05
317.	252	Sulebylu quarry	13-51	75-35	Gneiss dynamic metamorphic	Coarse grained Gneissose	Pink	2.68	2.60	1.66	0.63	768	187	220	0.14	(-)3.03	(+)0.02
(19) UTTARA-KANNADA DISTRICT																	
1. Ankola Taluk																	
318.	200-1	Hosur quarry	14-36	74-23	Granite plutonic igneous	Medium grained equigranular	Grey	2.76	2.54	4.83	1.90	757	268	168	0.17	(-)2.36	(+)0.27

Table 1 (Continued)

Sl No.	Lab No.	Name and Source	LAT De-Mi	LONG De-Mi	Geological Classification	Structure and Texture (IS 1123 : 1975)	Colour (IS 1123 : 1975)	True Sp Gr (IS 1122 : 1974)	Apparent Sp Gr (IS 1124 : 1974)	Porosity (IS 1124 : 1974) (%)	Water Absorption (IS 1124 : 1974) (%)	Compressive Strength (Saturated) (kg/sq.cm) IS 1121 (Part 1) : 1974	Transverse Strength (Saturated) (kg / sq.cm) IS 1121 (Part 2): 1974	Shear Strength (Saturated) (kg/sq.cm) IS 1121 (Part 4) : 1974	Durability Value (IS 1126 : 1974) (%)	Weathering (+) Increase (-) Decrease (IS 1125 : 1974)	
																Change in Absorption (%)	Change in Volume (%)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2. Bhatkal Taluk																	
319.	24	Hullakatti quarry	14-03	74-34	Granite plutonic igneous	Medium grained equigranular	Grey	2.76	2.56	3.90	1.52	1 205	195	166	0.13	(+)34.79	(+)0.29
3. Haliyal Taluk																	
320.	200-R	Mangalwadi quarry	15-14	74-37	do	do	Black	2.79	2.61	0.94	0.27	1 379	271	206	0.17	(-)16.67	(+)0.31
321.	200-Q	Pala quarry	15-14	74-33	do	do	Black	2.76	2.61	1.05	0.40	1 355	299	184	0.12	(+)72.22	(+)0.41
4. Honnavar Taluk																	
322.	200-P	Upponi quarry	14-15	74-38	do	do	Black	2.93	2.84	3.08	1.18	1 000	231	186	0.08	(+)62.89	(+)0.46
5. Kumta Taluk																	
323.	200-F	Hegde quarry	14-27	74-26	do	do	Grey	2.60	2.55	1.29	0.50	1 362	279	160	0.10	(+)54.00	(+)0.48
324.	200-G	Chitrigi quarry	14-24	74-23	do	do	Grey	2.77	2.57	2.29	1.28	857	177	146	0.07	(+)31.16	(+)0.40
325.	200-H	Manikkatta quarry	14-22	74-24	do	do	Grey	2.98	2.88	3.37	1.15	1 805	366	165	0.09	(+)43.53	(+)0.57
326.	200-J	Quarry on KBS road at km 8.15	14-23	74-23	do	do	Grey	2.96	2.85	2.59	0.91	1 807	149	178	0.14	(+)120.32	(+)0.61

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
327.	200-K	Quarry on KBS road at km 17.10	14-24	74-32	do	do	Grey	2.92	2.85	2.68	0.91	1 333	372	198	0.11	(+)111.50	(+)0.42
328.	200-L	Quarry on KBS road at km 24.55	14-25	74-35	do	do	Black	2.90	2.87	2.50	0.83	1 034	289	193	0.13	(+)30.08	(+)0.52
329.	200-M	Quarry on KBS road at km 24.80	14-26	74-35	do	do	Grey	2.80	2.58	1.90	0.74	1 238	248	174	0.15	(+)34.82	(+)0.37
330.	200-N	Quarry on KBS road at km 30.30	14-26	74-37	do	do	Grey	2.82	2.56	2.93	1.15	795	134	114	0.12	(+)35.88	(+)0.46
331.	200-O	Hebbankeri quarry	14-24	74-29	do	Coarse grained equigranular	Grey	2.69	2.58	1.03	0.40	910	237	143	0.15	(+)83.02	(+)0.49
6. Mundgod Taluk																	
332.	200-D	Binaga quarry	14-47	75-07	do	Medium grained equigranular	Grey	2.92	2.56	0.86	0.33	1 366	257	224	0.05	(+)47.52	(+)0.50
7. Siddapura Taluk																	
333.	200-E	Mandlikoppa quarry	14-24	74-53	do	Coarse grained equigranular	Grey	2.87	2.59	1.74	0.67	1 356	324	204	0.09	(+)126.11	(+)0.40
8. Supa Taluk																	
334.	200-S	Ramanagara quarry	15-16	74-31	do	Medium grained equigranular	Grey	2.76	2.62	1.32	0.50	1 116	301	184	0.15	(+)117.69	(+)0.66

Indian Standard

**SCHEDULE FOR PROPERTIES AND
AVAILABILITY OF STONES FOR
CONSTRUCTION PURPOSES**

PART 4 KARNATAKA STATE

Section 3 Engineering Properties of Stones Aggregates

1 SCOPE

This section covers the engineering properties of stone aggregates in Karnataka State.

2 REFERENCES

The following Indian Standards are necessary adjuncts to this standard:

<i>IS No.</i>	<i>Title</i>
2386 (Part 3) : 1963	Methods of test for aggregates for concrete : Part 3 Specific gravity, density, voids, absorption and bulking

IS No.

Title

2386 (Part 4) : 1963	Methods of test for aggregates for concrete : Part 4 Mechanical properties
2386 (Part 5) : 1963	Methods of test for aggregates for concrete : Part 5 Soundness

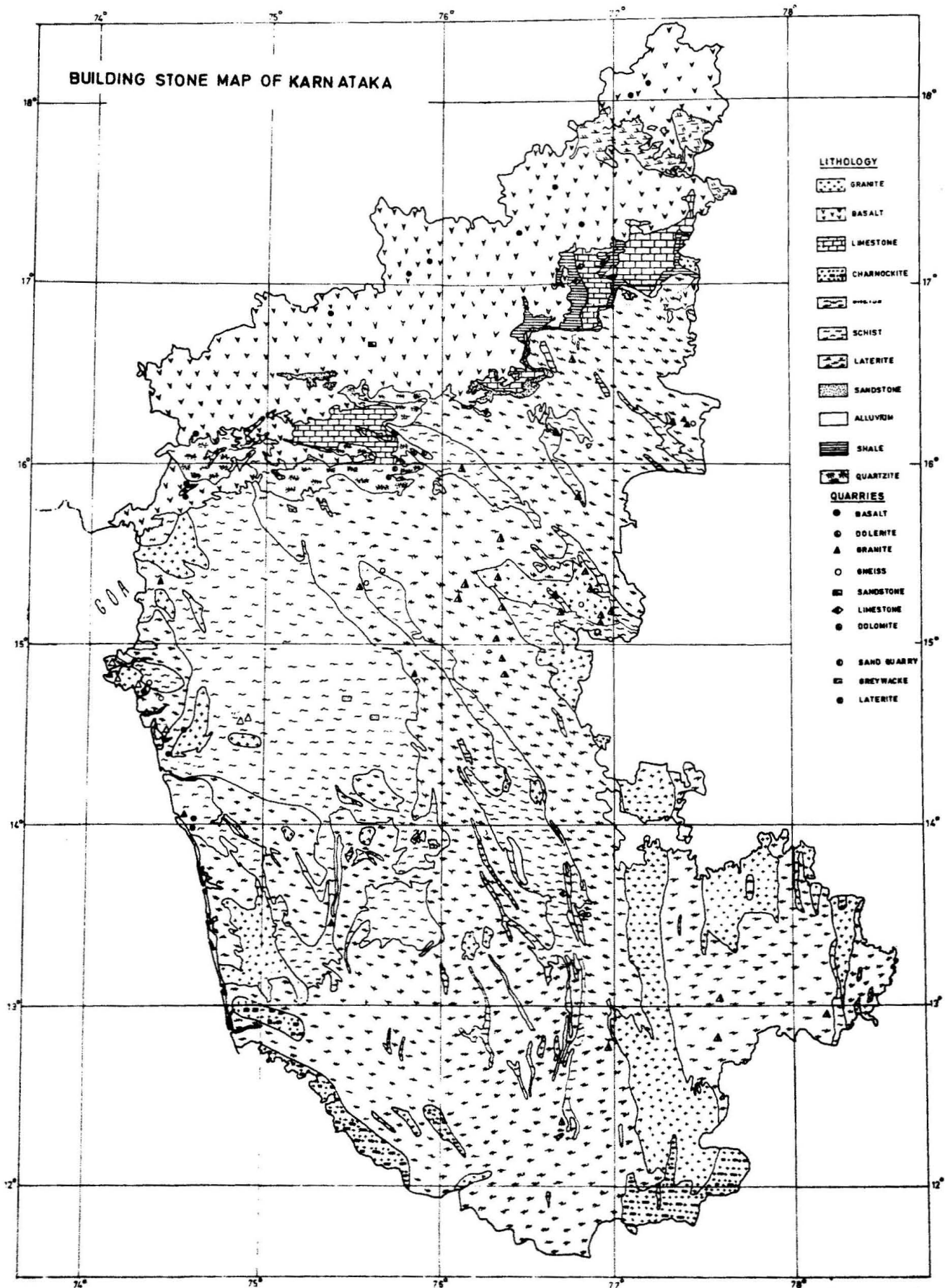
3 TEST RESULTS

The test results of stone aggregates tested for some of the important properties according to relevant Indian Standards are given in Table 2.

Table 2 Schedule of Characteristics of Stone Aggregates — Karnataka State
(Clause 3)

Sl No.	Location and Type		Geological Classi- fication	Specific Gravity		Water Absorption IS 2386 (Part 3) : 1963 (%)	Crushing Value IS 2386 (Part 4) : 1963 (%)	Load Required for 10 % Fines IS 2386 (Part 4) : 1963 (Tonnes)	Aggregate Impact Value IS 2386 (Part 4) : 1963 (%)	Abrasion Value IS 2386 (Part 4) : 1963 (%)	Soundness by Sodium Sulphate IS 2386 (Part 5) : 1963 (5 cycles) (%)
	Name of Place	District		Specific Gravity IS 2386 (Part 3) : 1963	Apparent Specific Gravity IS 2386 (Part 3) : 1963						
1	2	3	4	5	6	7	8	9	10	11	12
1.	Shorapur MT 334	Gulbarga	Pink granite	2.64	2.66	0.25	21	10.88	17	25	1.23
2.	Rastapur MT 335	do	Pink granite	2.60	2.66	0.98	29	14.75	27	36	3.37
3.	Chitapur MT 336	do	Lime stone	2.71	2.71	0.05	24	11.01	17	21	0.23
4.	Bratmapur MT 337	do	Trap	2.91	2.97	0.75	13	8.58	6	31	1.38
5.	Nippani MT 993	Belguam	Basalt	3.03	3.10	0.73	16	33.94	10	16	3.20

Building Stone Map of Karnataka
(Clause 2, Page 1)



ANNEX A
(Foreword)
COMMITTEE COMPOSITION

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(Continued on page 46)

(Continued from page 45)

Panel for Schedule of Characteristics of Indian Building Stones
(Southern Zone), CED 6 : P2

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